



1774

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE
STATEMENT**

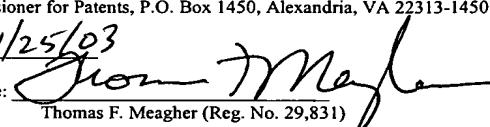
Docket Number
10020/25502

| | | | |
|--|--------------------------------|---------------------------------------|------------------|
| Application Number 10/643,413 | Filing Date August 18, 2003 | Examiner Not Yet Assigned | Art Unit 1774 |
| Invention Title ORGANIC LIGHT EMITTING MATERIALS AND DEVICES | | Inventor(s) THOMPSON et al. | |

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

Date: 11/25/03

Signature: 

Thomas F. Meagher (Reg. No. 29,831)

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the following references to the attention of the Examiner. The references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. Copies of each patent, publication or other information listed on the modified PTO form 1449 are not enclosed since they were previously cited by or submitted to the Patent Office in prior application Serial No. 10/288,785, filed 11/06/02, which is relied upon for an earlier filing date under 35 U.S.C. 120.
3. It is believed that no fees are due in connection with this Information Disclosure Statement. However, should any fees be due, the Commissioner is authorized to charge Deposit Account No. 11-0600 for such fees. A duplicate copy of this communication is enclosed for charging purposes.

Dated: 11/25/03

By:



Thomas F. Meagher (Reg. No. 29,831)

KENYON & KENYON
One Broadway
New York, NY 10004



U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE
STATEMENT**

Docket Number
10020/25502

Application Number
10/643,413

Filing Date
August 18, 2003

Examiner
Not Yet Assigned

Art Unit
1774

Invention Title

ORGANIC LIGHT EMITTING MATERIALS AND
DEVICES

Inventor(s)
THOMPSON et al.

Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

Date: 11/25/03

Signature:

Thomas F. Meagher (Reg. No. 29,831)

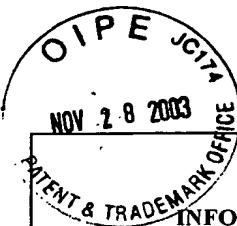
1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the following references to the attention of the Examiner. The references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. Copies of each patent, publication or other information listed on the modified PTO form 1449 are not enclosed since they were previously cited by or submitted to the Patent Office in prior application Serial No. 10/288,785, filed 11/06/02, which is relied upon for an earlier filing date under 35 U.S.C. 120.
3. It is believed that no fees are due in connection with this Information Disclosure Statement. However, should any fees be due, the Commissioner is authorized to charge Deposit Account No. 11-0600 for such fees. A duplicate copy of this communication is enclosed for charging purposes.

Dated: 11/25/03

By:

Thomas F. Meagher (Reg. No. 29,831)

KENYON & KENYON
One Broadway
New York, NY 10004



| | | |
|--|--------------------------------|---------------------------|
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO-1449 | DOCKET NO. 10020/25502 | SERIAL NO. 10/643,413 |
| | APPLICANT THOMPSON et al. | |
| | FILING DATE August 18, 2003 | GROUP Not Yet Assigned |

U. S. PATENT DOCUMENTS

| EXAMINER INITIAL | PATENT NUMBER | PATENT DATE | NAME | CLASS | SUBCLASS | FILING DATE |
|------------------|---------------|--------------------|-----------------|-------|----------|-------------|
| | 4,769,292 | September 6, 1998 | Tang et al. | | | |
| | 5,247,190 | September 21, 1993 | Friend et al. | | | |
| | 5,703,436 | December 30, 1997 | Forrest et al. | | | |
| | 5,707,745 | January 13, 1998 | Forrest et al. | | | |
| | 5,834,893 | November 10, 1998 | Bulovic et al. | | | |
| | 5,844,363 | December 1, 1998 | Gu et al. | | | |
| | 6,013,982 | January 11, 2000 | Thompson et al. | | | |
| | 6,087,196 | July 11, 2000 | Strum et al. | | | |
| | 6,091,195 | July 18, 2000 | Forrest et al. | | | |
| | 6,097,147 | August 1, 2000 | Baldo et al. | | | |
| | 6,294,398 | September 25, 2001 | Kim et al. | | | |
| | 6,303,238 | October 16, 2001 | Thompson et al. | | | |
| | 6,337,102 | January 8, 2002 | Forrest et al. | | | |
| | 6,468,819 | October 22, 2002 | Kim et al. | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION | |
|------------------|-----------------|-------------------|---------|-------|----------|-------------|----|
| | | | | | | YES | NO |
| | 02/15645 | February 21, 2002 | WO | | | | |
| | 1 191 613 | March 27, 2002 | EP | | | | |
| | 02/02714 | January 10, 2002 | WO | | | | |

OTHER DOCUMENTS

| EXAMINER INITIAL | AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
|------------------|---|
| | M.A. Baldo et al., "Highly efficient phosphorescent emission from organic Electroluminescent devices," Nature, September 1998, Vol. 395, pp. 151-154. |
| | M.A. Baldo et al., "Very high-efficiency green organic light-emitting devices based on electrophosphorescence", Applied Physics Letters, Vol. 75, No., 1, pp. 4-6, 5 July 1999. |
| | C. Adachi et al., "Nearly 100% internal phosphorescence efficiency in an organic light emitting device", J. Appl. Phys. 90, (2001). |
| | United States Patent Application No. 10/173,682 to Forrest et al. |
| | United States Patent Application Serial No. 09/931,948 |
| | United States Patent Application No. 10/233,470 |
| | H. Zollinger, "Color Chemistry" VCH Publishers, 1991 |
| | H, J, A, Dartnall, J.K. Bowmaker, and J.D. Mollon, Proc. Roy. Soc. B. (London), 1983, 220, 115-130 |
| | P.L. Coe et al., "The lithiation of fluorinated benzenes and its dependence on solvent and temperature", J. Chem. Soc. Perkin Trans. I, pp. 2729-2737, 1995. |
| | A.J. Bridges et al., "A Dramatic Solvent Effect during Aromatic Halogen-Metal Exchanges. Different Products from Lithiation of Polyfluorobromobenzenes in Ether and THF", J. Org. Chem., Volume 55, pp. 773-775, January 5, 1990. |
| | Thomas H. Lowry et al., Mechanism and Theory in Organic Chemistry, Third Edition, New York, Harper & Row publishers, pp. 143-151, 1997. |
| | N. Miyaura, et al., "Palladium-Catalyzed Cross-Coupling Reactions of Organoboron Compounds", Chem. Rev. 1995, Volume 95, No. 7, pp. 2457-2483, November 1995. |
| | D. Cuperly et al., "First Direct C-2-Lithiation of 4-DMAP. Convenient Access to Reactive Functional |



| EXAMINER INITIAL | TRADEMARK NUMBER | AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC. |
|---------------------|---------------------|---|
| | | Derivatives and Ligands", J. Org. Chem. 2002, Volume 67, No. 1, pp. 238-241, January 11, 2002. |
| | | Igarashi et al., U.S. Patent Application Publication No. 2002/0024293, published February 28, 2002. |
| | | Ise et al., U.S. Patent Application Publication No. 2002/0028329, published March 7, 2002. |
| EXAMINER | DATE CONSIDERED | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.